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SOCIAL COUNCIL

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UNITED NATIONS

ECONOMIC COMMISSION FOR ASIA AND THE FAR EAST

Committee for Coordination of Investigations
of the Lower Mekong Basin
(Cambodia, Laos, Thailand and Republic of Viet-Nam)

PLAN OF OPERATION

SUPPLY OF ADDITIONAL EQUIPMENT AND SPARE PARTS WORTH 43,000 RUPEES FOR THE SOIL AND CONCRETE LABORATORY AT PHNOM PENH CAMBODIA

I. INTRODUCTION

1. In 1963 at Phnom Penh, Cambodia, a soil and concrete laboratory was set up with the aid of the Governments of India and New Zealand, to carry out tests for the selection of suitable construction materials for the proposed Tonle Sap Barrage and the determination of their engineering properties and for the training of Cambodian personnel in the techniques of testing soil and concrete samples. From its simple beginning as a mere adjunct to the Tonle Sap Barrage Scheme, this laboratory has grown in use and value in the scientific solutions of many engineering problems in Cambodia. Not only were its facilities used for power and irrigation projects like the Prek Thnot and the Kirirom but also, more recently, in numerous varied ones like highways, bridges, canals, air fields, water supply and buildings. Its enhanced status in the esteem of the public and the Government of Cambodia has resulted in its being christened in 1966 as "Laboratoire Central Des Travaux Publics".

2. In order to keep up this tempo of activity and to be able to cater to future needs, it is very essential to maintain all equipment in good working condition. It is but natural that with so much use, some items have become worn out and are in need of spare parts, none of which is available in Phnom Penh since almost all the equipment were imported. Moreover, because of the rapid advance in testing laboratory techniques, some additional equipment are needed if the laboratory is to keep functioning satisfactorily.

3. In 1966 the Mekong Secretariat made a request for the supply of spare parts for the Indian equipment in the laboratory and for additional equipment to the Government of India through the Counsellor and Permanent Representative of India to ECAFE. The value of the additional equipment and spare parts requested amounted to 43,000 Rupees.

/II.

II. DESCRIPTION OF THE PROJECT

4. The present project consists in the supply by the Government of India of the additional equipment and spare parts listed in Annex A, valued at Rupees 43,000 (RUPEES FORTY THREE THOUSAND), which includes insurance and ocean freight up to Phnom Penh, considered enough to maintain the Indian equipment in good operating condition for five years, to be delivered at Phnom Penh as soon as possible.

5. Detailed specifications for any item in the above list not adequately described shall be prepared by the Executive Agent of the Mekong Committee (hereinafter referred to as the "Executive Agent") for transmittal to the Government of India as soon as possible after this Plan of Operation becomes effective.

III. OBLIGATIONS

6. The Government of India shall supply the additional equipment and spare parts as listed in Annex A as soon as possible after this Plan of Operation goes into effect and all necessary specifications for any item in the list have been received from the Executive Agent.

7. The Mekong Committee (Cambodia, Laos, Thailand and the Republic of Viet-Nam) agrees that the additional equipment and spare parts contributed by the Government of India as listed in Annex A shall be imported, for the specific use of the soil and concrete laboratory at Phnom Penh, into Cambodia without payment of import and transit duties and taxes. It further agrees that all unloading and handling charges after CIF Phnom Penh will be met by the Cambodian National Mekong Committee.

IV. EFFECTIVITY

8. This Plan of Operation shall come into force upon signature by the members of Cambodia, Laos, Thailand and the Republic of Viet-Nam in the Mekong Committee; the representative of India; and the Executive Agent.

/V.

V. SIGNATURES

Agreed on behalf of the Parties by the undersigned:

Date: 15 January 1968
Bangkok

Signed Phlek Chhat
For the Government of Cambodia

Date: 15 January 1968
Bangkok

Signed Phouangkèoh Phanareth
For the Government of Laos

Date: 15 January 1968
Bangkok

Signed Boonrod Binson
For the Government of Thailand

Date: 15 January 1968
Bangkok

Signed Pham-Huu-Vinh
For the Government of the
Republic of Viet-Nam

Date: 15 January 1968
Bangkok

Signed J.L. Malhautra
For the Government of India

Date: 15 January 1968
Bangkok

Signed C. Hart Schaaf
Executive Agent
Committee for Coordination of
Investigations of the Lower
Mekong Basin

ANNEXURE "A"

ADDITIONAL EQUIPMENT AND SPARE PARTS FOR MAINTAINING PRESENT EQUIPMENT SUPPLIED WITH INDIAN FUNDS FOR THE NEXT FIVE YEARS

S. No.	Description of Items	Quantity	Unit Price	Amount
1.	Enamel buckets with lids	100	Rs. 20	Rs. 2,000
2.	Oven Thermostatically controlled	2	1,000	2,000
3.	Heating elements for above	Lumpsum		500
4.	Pressure gauges	5	200	1,000
5.	Hot plates	3	100	300
6.	Heating elements for above	Lumpsum		100
7.	Moisture tins with lids	200	1	200
8.	Liquid limit device complete	2	360	720
9.	Grooving tools for liquid limit	20 sets	40	800
10.	Analytical weight boxes	2	200	400
11.	Physical weight boxes	5	100	500
12.	High speed electric stirrer complete	3	400	1,200
13.	Enamelled plates	100	2	200
14.	Enamelled trays	12	40	480
15.	G.I. trays 24" x 36" x 4"	40	40	1,600
16.	Metallic beakers stainless steel	50	10	500
17.	Spare motors electric	4	500	2,000
18.	Spares for stoves & petromax lamps	Lumpsum		200
19.	Soil augers complete of sizes	12	70	840
20.	Extensions for augers	36	25	900
21.	Rubber tubings assorted sizes	Lumpsum		500
22.	Plastic tubings assorted sizes	do		500
23.	Rubber corks	do		50
24.	Pith corks	do		50
25.	General tools	do		1,000
26.	Pair of tongs	12	10	120
27.	Fractional weights	25 sets	5	125
28.	Chemicals	Lumpsum		1,000
29.	Glassware	do		1,000
30.	Glass head tanks for permeability	do		200
31.	Standard sieves fine sizes	do		1,000
32.	Standard sieves coarse sizes	do		500
33.	Slump cones	4	80	320
34.	Vicat apparatus	4	250	1,000
35.	Spare needles for vicat apparatus	Lumpsum		50
36.	Spares for direct shear machine	do		1,000
37.	Spares for unconfined compression	do		500
38.	Core cutters	25	70	1,750
39.	Sampling tubes	25	50	1,250
40.	Universal pusher frame	1	700	700
41.	Sand density apparatus	2	300	600
42.	Spares for Cylex drilling machine	Lumpsum	2,000	2,000
43.	Spares for Kriloskar pumps	do		1,000
44.	Miscellaneous items	do		2,000
			Rs.	34,655
	Packing, insurance & freight up to Phnom Penh		Rs.	8,345
		Total	Rs.	43,000